

Message

From: oxfordjournals-mailer@alerts.highwire.org [oxfordjournals-mailer@alerts.highwire.org]
Sent: 1/5/2017 3:28:27 PM
To: Flowers, Lynn [Flowers.Lynn@epa.gov]
Subject: Toxicol. Sci. Table of Contents for January 1, 2017; Vol. 155, No. 1

Toxicological Sciences Table of Contents Alert
Vol. 155, No. 1
January 2017
<http://toxsci.oxfordjournals.org/content/155/1?etoc>

Look Inside ToxSci

From the Editor's Desk, Editor's Highlights
Toxicol. Sci. 2017 155: 1-2
<http://toxsci.oxfordjournals.org/content/155/1/1.extract?etoc>

Letter to the Editor

Role of Mitochondrial Toxicity in BMS-986094-Induced Toxicity
Joy Y. Feng, Chin H. Tay, and Adrian S. Ray
Toxicol. Sci. 2017 155: 2
<http://toxsci.oxfordjournals.org/content/155/1/2.extract?etoc>

Contemporary Review: Long Noncoding RNAs in Toxicology

Long Non-Coding RNAs: A Novel Paradigm for Toxicology
Joseph L. Dempsey and Julia Yue Cui
Toxicol. Sci. 2017 155: 3-21
<http://toxsci.oxfordjournals.org/content/155/1/3.abstract?etoc>

Forum: Future Tox III Commentary

FutureTox III: Bridges for Translation
Daland R. Juberg, Thomas B. Knudsen, Miriam Sander, Nancy B. Beck, Elaine M. Faustman, Donna L. Mendrick, John R. Fowle III, Thomas Hartung, Raymond R. Tice, Emmanuel Lemazurier, Richard A. Becker, Suzanne Compton Fitzpatrick, George P. Daston, Alison Harrill, Ronald N. Hines, Douglas A. Keller, John C. Lipscomb, David Watson, Tina Bahadori, and Kevin M. Crofton
Toxicol. Sci. 2017 155: 22-31
<http://toxsci.oxfordjournals.org/content/155/1/22.abstract?etoc>

Mechanisms of Deoxynivalenol (Vomitoxin) Emesis

Calcium-Sensing Receptor and Transient Receptor Ankyrin-1 Mediate Emesis Induction by Deoxynivalenol (Vomitoxin)
Wenda Wu, Hui-Ren Zhou, Steven J. Bursian, Jane E. Link, and James J. Pestka
Toxicol. Sci. 2017 155: 32-42
<http://toxsci.oxfordjournals.org/content/155/1/32.abstract?etoc>

High-Content Analysis of BPA-Induced Testicular Toxicity

High-Content Analysis Provides Mechanistic Insights into the Testicular Toxicity of Bisphenol A and Selected Analogues in Mouse Spermatogonial Cells

Shenxuan Liang, Lei Yin, Kevin Shengyang Yu, Marie-Claude Hofmann, and Xiaozhong Yu

Toxicol. Sci. 2017 155: 43-60

<http://toxsci.oxfordjournals.org/content/155/1/43.abstract?etoc>

Mechanisms of Tolvaptan-Induced Liver Injury

Application of a Mechanistic Model to Evaluate Putative Mechanisms of Tolvaptan Drug-Induced Liver Injury and Identify Patient Susceptibility Factors

Jeffrey L. Woodhead, William J. Brock, Sharin E. Roth, Susan E. Shoaf, Kim L.R. Brouwer, Rachel Church, Tom N. Grammatopoulos, Linsey Stiles, Scott Q. Siler, Brett A. Howell, Merrie Mosedale, Paul B. Watkins, and Lisa K.M. Shoda

Toxicol. Sci. 2017 155: 61-74

<http://toxsci.oxfordjournals.org/content/155/1/61.abstract?etoc>

Critical Periods of Developmental Neurotoxicity for Tobacco Smoke

Is There a Critical Period for the Developmental Neurotoxicity of Low-Level Tobacco Smoke Exposure?

Theodore A. Slotkin, Ashley Stadler, Samantha Skavicus, Jennifer Card, Jonathan Ruff, Edward D. Levin, and Frederic J. Seidler

Toxicol. Sci. 2017 155: 75-84

<http://toxsci.oxfordjournals.org/content/155/1/75.abstract?etoc>

PPAR-Gamma in ToxCast Chemicals

Editor's Highlight: Screening ToxCast Prioritized Chemicals for PPAR γ Function in a Human Adipose-Derived Stem Cell Model of Adipogenesis

Briana Foley, Daniel L. Doheny, Michael B. Black, Salil N. Pendse, Barbara A. Wetmore, Rebecca A. Clewell, Melvin E. Andersen, and Chad Deisenroth

Toxicol. Sci. 2017 155: 85-100

<http://toxsci.oxfordjournals.org/content/155/1/85.abstract?etoc>

Guanine-Rich Triplex Forming Oligonucleotide is not Mutagenic

The Lack of Mutagenic Potential of a Guanine-Rich Triplex Forming Oligonucleotide in Physiological Conditions

Amer F. Saleh, Mick D. Fellows, Liming Ying, Nigel J. Gooderham, and Catherine C. Priestley

Toxicol. Sci. 2017 155: 101-111

<http://toxsci.oxfordjournals.org/content/155/1/101.abstract?etoc>

Pyrethroid Insecticides Effects on Microglia

Pyrethroid Insecticides Directly Activate Microglia Through Interaction With Voltage-Gated Sodium Channels

Muhammad M. Hossain, Jason Liu, and Jason R. Richardson

Toxicol. Sci. 2017 155: 112-123

<http://toxsci.oxfordjournals.org/content/155/1/112.abstract?etoc>

Genetic Variants of Arsenic Metabolism in Inner Mongolia, China

Interactive Influence of N6AMT1 and As3MT Genetic Variations on Arsenic Metabolism in the Population of Inner Mongolia, China

Xushen Chen, Xiaojuan Guo, Ping He, Jing Nie, Xiaoyan Yan, Jinqiu Zhu, Luoping Zhang, Guangyun Mao, Hongmei Wu, Zhiyue Liu, Diana Aga, Peilin

Xu, Martyn Smith, and Xuefeng Ren
Toxicol. Sci. 2017 155: 124-134
<http://toxsci.oxfordjournals.org/content/155/1/124.abstract?etoc>

Cyp19a1b and Benzo[a]pyrene Developmental Toxicity

Mechanistic Evaluation of Benzo[a]pyrene's Developmental Toxicities Mediated by Reduced Cyp19a1b Activity
Khalid M. Alharthy, Faisal F. Albaqami, Cammi Thornton, Jone Corrales, and Kristine L. Willett
Toxicol. Sci. 2017 155: 135-147
<http://toxsci.oxfordjournals.org/content/155/1/135.abstract?etoc>

Leydig Cell Hyperplasia Caused by Janus Kinase Inhibitor

Effects of the Janus Kinase Inhibitor, Tofacitinib, on Testicular Leydig Cell Hyperplasia and Adenoma in Rats, and on Prolactin Signaling in Cultured Primary Rat Leydig Cells
Robert E. Chapin, Douglas J. Ball, Zaher A. Radi, Steven W. Kumpf, Petra H. Koza-Taylor, David M. Potter, and W. Mark Vogel
Toxicol. Sci. 2017 155: 148-156
<http://toxsci.oxfordjournals.org/content/155/1/148.abstract?etoc>

Negative Predictive Value in Carcinogenicity Studies

Editor's Highlight: Negative Predictors of Carcinogenicity for Environmental Chemicals
Thomas Hill III, Mark D. Nelms, Stephen W. Edwards, Matthew Martin, Richard Judson, J. Christopher Corton, and Charles E. Wood
Toxicol. Sci. 2017 155: 157-169
<http://toxsci.oxfordjournals.org/content/155/1/157.abstract?etoc>

Nondioxin-Like PCBs and Ryanodine Receptors

An Extended Structure-Activity Relationship of Nondioxin-Like PCBs Evaluates and Supports Modeling Predictions and Identifies Picomolar Potency of PCB 202 Towards Ryanodine Receptors
Erika B. Holland, Wei Feng, Jing Zheng, Xueshu Li, Hans-Joachim Lehmler, and Isaac N. Pessah
Toxicol. Sci. 2017 155: 170-181
<http://toxsci.oxfordjournals.org/content/155/1/170.abstract?etoc>

Macrophages in Ozone-Induced Lung Injury

Editor's Highlight: Role of Spleen-Derived Macrophages in Ozone-Induced Lung Inflammation and Injury
Mary Francis, Richard Sun, Jessica A. Cervelli, Hyejeong Choi, Mili Mandal, Elena V. Abramova, Andrew J. Gow, Jeffrey D. Laskin, and Debra L. Laskin
Toxicol. Sci. 2017 155: 182-195
<http://toxsci.oxfordjournals.org/content/155/1/182.abstract?etoc>

Pyrethroid Effects on Astrocytoma Cells

From the Cover: Vulnerability of C6 Astrocytoma Cells After Single-Compound and Joint Exposure to Type I and Type II Pyrethroid Insecticides
Delfina M. Romero, Bruno G. Bernardino, Marcelo J. Wolansky, and Mónica L. Kotler
Toxicol. Sci. 2017 155: 196-212
<http://toxsci.oxfordjournals.org/content/155/1/196.abstract?etoc>

Manganese and Mitochondrial Hydrogen Peroxide Production

From the Cover: Manganese Stimulates Mitochondrial H₂O₂ Production in SH-SY5Y Human Neuroblastoma Cells Over Physiologic as well as Toxicologic Range

Jolyn Fernandes, Li Hao, Kaiser M. Bijli, Joshua D. Chandler, Michael Orr, Xin Hu, Dean P. Jones, and Young-Mi Go
Toxicol. Sci. 2017 155: 213-223
<http://toxsci.oxfordjournals.org/content/155/1/213.abstract?etoc>

Colon Carcinogenesis in Mice Expressing the Human Form of CYP1A

From the Cover: PhIP/DSS-Induced Colon Carcinogenesis in CYP1A-Humanized Mice and the Possible Role of Lgr5+ Stem Cells

Jayson X. Chen, Hong Wang, Anna Liu, Lanjing Zhang, Kenneth Reuhl, and Chung S. Yang
Toxicol. Sci. 2017 155: 224-233
<http://toxsci.oxfordjournals.org/content/155/1/224.abstract?etoc>

Human iPSC-Derived Cardiomyocytes and Drug-Induced Arrhythmias

Comprehensive Translational Assessment of Human-Induced Pluripotent Stem Cell Derived Cardiomyocytes for Evaluating Drug-Induced Arrhythmias

Ksenia Blinova, Jayna Stohlman, Jose Vicente, Dulciana Chan, Lars Johannesen, Maria P. Hortigon-Vinagre, Victor Zamora, Godfrey Smith, William J. Crumb, Li Pang, Beverly Lyn-Cook, James Ross, Mathew Brock, Stacie Chvatal, Daniel Millard, Loriano Galeotti, Norman Stockbridge, and David G. Strauss
Toxicol. Sci. 2017 155: 234-247
<http://toxsci.oxfordjournals.org/content/155/1/234.abstract?etoc>

Electronic Cigarette Aerosol and Bronchial Epithelium

Molecular Impact of Electronic Cigarette Aerosol Exposure in Human Bronchial Epithelium

Elizabeth Moses, Teresa Wang, Sean Corbett, George R. Jackson, Eduard Drizik, Catalina Perdomo, Claudia Perdomo, Eric Kleerup, Daniel Brooks, George O'Connor, Steven Dubinett, Patrick Hayden, Marc E. Lenburg, and Avrum Spira
Toxicol. Sci. 2017 155: 248-257
<http://toxsci.oxfordjournals.org/content/155/1/248.abstract?etoc>

Avermectin Effects on Chloride and GABA Channels

From the Cover: Functional Analysis Reveals Glutamate and Gamma-Aminobutyric Acid-Gated Chloride Channels as Targets of Avermectins in the Carmine Spider Mite

Zhifeng Xu, Qiong Wu, Qiang Xu, and Lin He
Toxicol. Sci. 2017 155: 258-269
<http://toxsci.oxfordjournals.org/content/155/1/258.abstract?etoc>

Brominated Flame Retardants and Human ABC Efflux Transporters

Inhibition of the Human ABC Efflux Transporters P-gp and BCRP by the BDE-47 Hydroxylated Metabolite 6-OH-BDE-47: Considerations for Human Exposure

Satori A. Marchitti, Christopher S. Mazur, Caleb M. Dillingham, Swati Rawat, Anshika Sharma, Jason Zastre, and John F. Kenneke
Toxicol. Sci. 2017 155: 270-282
<http://toxsci.oxfordjournals.org/content/155/1/270.abstract?etoc>

Renal Safety Assessment of Hepatitis B Drugs

Editor's Highlight: Comparative Renal Safety Assessment of the Hepatitis B Drugs, Adefovir, Tenofovir, Telbivudine and Entecavir in Rats
Marianne Uteng, Andreas Mahl, Nicolau Beckmann, Alessandro Piaia, David Ledieu, Valerie Dubost, Elaine Tritto, Armin Wolf, Pierre Moulin, Li Li, Salah-Dine Chibout, and Francois Pognan

Toxicol. Sci. 2017 155: 283-297
<http://toxsci.oxfordjournals.org/content/155/1/283.abstract?etoc>

Cover

Cover
Toxicol. Sci. 2017 155: i1
<http://toxsci.oxfordjournals.org/content/155/1/i1.full.pdf?etoc>

Standing Material

Editorial Board
Toxicol. Sci. 2017 155: i2
<http://toxsci.oxfordjournals.org/content/155/1/i2.full.pdf?etoc>

Subscriptions
Toxicol. Sci. 2017 155: i3
<http://toxsci.oxfordjournals.org/content/155/1/i3.full.pdf?etoc>

Table of Contents
Toxicol. Sci. 2017 155: i4-i6
<http://toxsci.oxfordjournals.org/content/155/1/i4.full.pdf?etoc>

* * * * *

This Message was sent to flowers.lynn@epa.gov.
To unsubscribe from this service, go to
<http://toxsci.oxfordjournals.org/cgi/alerts/etoc?action=unsubscribe>
To edit your subscriptions for this service, go to
<http://toxsci.oxfordjournals.org/cgi/alerts/etoc>

Or by mail:
Customer Service * 425 Broadway St * Redwood City, CA 94063 * U.S.A.

Copyright (c) 2017 by the Society of Toxicology.